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### 1 [On the power of Alexander templates](#)



H. Seki

March 1989 PODS '89: Proceedings of the eighth ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems

**Publisher:** ACM

Full text available: [PDF](#) (1.02 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 7, Citation Count: 10

## 2 Breakdown probabilities of recursive soft morphological filters

Pertti Koivisto, Antti Niemistö

January 2004 WISICT '04: Proceedings of the winter international symposium on Information and communication technologies

**Publisher:** Trinity College Dublin

Full text available:  [Pdf](#) (114.11 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Count: 0

A method for the calculation of the breakdown probabilities of recursive soft morphological filters is given, and the impulse removal capabilities of recursive and nonrecursive soft morphological filters are compared by utilizing the breakdown probabilities ...

## 3 Template meta-programming for Haskell

Tim Sheard, Simon Peyton Jones

October 2002 Haskell '02: Proceedings of the 2002 ACM SIGPLAN workshop on Haskell 2002

**Publisher:** ACM

Full text available:  [Pdf](#) (169.20 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 37, Citation Count: 37

We propose a new extension to the purely functional programming language Haskell that supports *compile-time meta-programming*. The purpose of the system is to support the *algorithmic* construction of programs at compile-time. The ability to ...

**Keywords:** meta programming, templates

## 4 Recursive simulation to aid models of decision making

John B. Gilmer, Jr., Frederick J. Sullivan

December 2000 WSC '00: Proceedings of the 32nd conference on Winter simulation

**Publisher:** Society for Computer Simulation International

Full text available:  [Pdf](#) (243.40 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation Count: 5

Recursive simulation involves a simulation, or an entity in the simulation, creating another instance of the same simulation, running it and using its results. This is particularly applicable to decisionmaking in a military simulation. Simulation can ...

## 5 Robust sketched symbol fragmentation using templates

Heloise Hse, Michael Shilman, A. Richard Newton

January IUI '04: Proceedings of the 9th international conference on Intelligent user  
2004 interfaces

**Publisher:** ACM

Full text available:  Pdf (221.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 35, Citation Count: 2

Analysis of sketched digital ink is often aided by the division of stroke points into perceptually-salient fragments based on geometric features. Fragmentation has many applications in intelligent interfaces for digital ink capture and manipulation, ...

**Keywords:** HCI, curve segmentation, fitting, perceptual grouping, shape templates, sketch-based user interface

## 6 Study of practical effectiveness for machine translation using recursive chain-link-type learning

Hiroshi Echizen-ya, Yoshio Momouchi, Kenji Araki, Koji Tachinai

August Proceedings of the 19th international conference on Computational  
2002 linguistics - Volume 1, Volume 1

**Publisher:** Association for Computational Linguistics

Full text available:  Pdf (176.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 13, Citation Count: 1

A number of machine translation systems based on the learning algorithms are presented. These methods acquire translation rules from pairs of similar sentences in a bilingual text corpora. This means that it is difficult for the systems to acquire the ...

## 7 Enforcing strict model-view separation in template engines

Terence John Parr

May WWW '04: Proceedings of the 13th international conference on World Wide  
2004 Web

**Publisher:** ACM

Full text available:  Pdf (118.03 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 97, Citation Count: 4

The mantra of every experienced web application developer is the same: *thou shalt separate business logic from display*. Ironically, almost all template engines allow violation of this separation principle, which is the very impetus for HTML template ...

**Keywords:** model-view-controller, template engine, web application

## 8 XML templates and caching in WASH

 Peter Thiemann

August Haskell '03: Proceedings of the 2003 ACM SIGPLAN workshop on Haskell 2003

**Publisher:** ACM

Full text available:  [Pdf](#) (129.06 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 15, Citation Count: 1

Caching of documents is an important concern on the Web. It is a major win in all situations where bandwidth is limited. Unfortunately, the increasing spread of dynamically generated documents seriously hampers traditional caching techniques in browsers ...

**Keywords:** annotated languages, caching, web programming

## 9 Type-Safe linking with recursive DLLs and shared libraries

 Dominic Duggan

November ACM Transactions on Programming Languages and Systems 2002 (TOPLAS), Volume 24 Issue 6

**Publisher:** ACM

Full text available:  [Pdf](#) (658.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 53, Citation Count: 6

Component-based programming is an increasingly prevalent theme in software development, motivating the need for expressive and safe module interconnection languages. Dynamic linking is an important requirement for module interconnection languages, as ...

**Keywords:** Dynamic Linking, Module Interconnection Languages, Recursive Modules, Shared Libraries

## 10 A methodology for testing spreadsheets

 Gregg Rothermel, Margaret Burnett, Lixin Li, Christopher Dupuis, Andrei Sheretov January ACM Transactions on Software Engineering and Methodology 2001 (TOSEM), Volume 10 Issue 1

**Publisher:** ACM

Full text available:  [Pdf](#) (353.65 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 114, Citation Count: 22

Spreadsheet languages, which include commercial spreadsheets and various research systems, have had a substantial impact on end-user computing. Research shows, however, that spreadsheets often contain faults; thus, we would like to provide at least some ...

**Keywords:** software testing, spreadsheets

**11** Template meta-programming for Haskell

 Tim Sheard, Simon Peyton Jones  
December 2002 ACM SIGPLAN Notices, Volume 37 Issue 12  
**Publisher:** ACM

Full text available:  [Pdf](#) (244.61 KB)      Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 37, Citation Count: 4

We propose a new extension to the purely functional programming language Haskell that supports *compile-time meta-programming*. The purpose of the system is to support the *algorithmic* construction of programs at compile-time. The ability to ...

**Keywords:** Meta programming, templates

**12** Creating structured PDF files using XML templates

 Matthew R. B. Hardy, David F. Brailsford, Peter L. Thomas  
October 2004 DocEng '04: Proceedings of the 2004 ACM symposium on Document engineering  
**Publisher:** ACM

Full text available:  [Pdf](#) (166.87 KB)      Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 117, Citation Count: 1

This paper describes a tool for recombining the logical structure from an XML document with the typeset appearance of the corresponding PDF document. The tool uses the XML representation as a template for the insertion of the logical structure into the ...

**Keywords:** PDF, XML, logical structure insertion

**13** Recursive blocked algorithms for solving triangular systems—Part II: two-sided and generalized Sylvester and Lyapunov matrix equations

 Isak Jonsson, Bo Kågström

December ACM Transactions on Mathematical Software (TOMS), Volume 28  
2002 Issue 4

**Publisher:** ACM

Full text available:  [Pdf](#) (203.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 56, Citation Count: 2

We continue our study of high-performance algorithms for solving triangular matrix equations. They appear naturally in different condition estimation problems for matrix equations and various eigenspace computations, and as reduced systems in standard ...

**Keywords:** GEMM-based, LAPACK, Matrix equations, SLICOT, SMP parallelization, automatic blocking, generalized Sylvester and Lyapunov, level-3 BLAS, recursion, standard discrete-time Sylvester and Lyapunov, superscalar

**14** Cache tables: paving the way for an adaptive database cache

Mehmet Altinel, Christof Bornhövd, Sailesh Krishnamurthy, C. Mohan, Hamid Pirahesh, Berthold Reinwald

September VLDB '2003: Proceedings of the 29th international conference on 2003 Very large data bases - Volume 29, Volume 29

**Publisher:** VLDB Endowment

Full text available:  [Pdf](#) (193.63 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 31, Citation Count: 1

We introduce a new database object called Cache Table that enables persistent caching of the full or partial content of a remote database table. The content of a cache table is either defined declaratively and populated in advance at setup time, or determined ...

## 15 A codesign back-end approach for embedded system design

 G. Gogniat, M. Auguin, L. Bianco, A. Pegatoquet

July 2000 ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 5 Issue 3

**Publisher:** ACM

Full text available:  Pdf (148.70 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation Count: 2

Continuous advances in processor and ASIC technologies enable the integration of more and more complex embedded systems. Since their implementations generally require the use of heterogeneous resources (e.g., processor cores, ASICs) in one system with ...

**Keywords:** HW/SW integration, codesign, communications synthesis, template architecture

## 16 Instruction generation and regularity extraction for reconfigurable processors

 Philip Brisk, Adam Kaplan, Ryan Kastner, Majid Sarrafzadeh

October 2002 CASES '02: Proceedings of the 2002 international conference on Compilers, architecture, and synthesis for embedded systems

**Publisher:** ACM

Full text available:  Pdf (203.26 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 46, Citation Count: 27

The increasing demand for complex and specialized embedded hardware must be met by processors which are optimized for performance, yet are also extremely flexible. In our work, we explore the tradeoff between flexibility and performance in the domain ...

**Keywords:** control data-flow graph, hardware compiler, slack, template

## 17 A survey of image registration techniques

 Lisa Gottesfeld Brown

December 1992 ACM Computing Surveys (CSUR), Volume 24 Issue 4

**Publisher:** ACM

Full text available:  Pdf (5.20 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 190, Downloads (12 Months): 2417, Citation Count: 100

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration ...

**Keywords:** image registration, image warping, rectification, template matching

**18** Compatible Triangulations of Spatial Decompositions

William J. Schroeder, Berk Geveci, Mathieu Malaterre

October 2004 VIS '04: Proceedings of the conference on Visualization '04

**Publisher:** IEEE Computer Society

Full text available:  [PDF](#) (268.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 44, Citation Count: 0

We describe a general algorithm to produce compatible 3D triangulations from spatial decompositions. Such triangulations match edges and faces across spatial cell boundaries, solving several problems in graphics and visualization including the crack ...

**Keywords:** triangulation, tetrahedrization, adaptive grid, clipping, contouring, template, Delaunay, parallel

**19** Implementing signatures for C++

Gerald Baumgartner, Vincent F. Russo

January 1997 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 19 Issue 1

**Publisher:** ACM

Full text available:  [PDF](#) (305.82 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 38, Citation Count: 0

We outline the design and detail the implementation of a language extension for abstracting types and for decoupling subtyping and inheritance in C++. This extension gives the user more of the flexibility of dynamic typing while retaining the efficiency ...

**Keywords:** C++, dispatch tables, inheritance, object interfaces, polymorphism, subtyping

**20 JIAD: a tool to infer design patterns in refactoring**

 J. Rajesh, D. Janakiram

August PPDP '04: Proceedings of the 6th ACM SIGPLAN international conference on 2004 Principles and practice of declarative programming

**Publisher:** ACM

Full text available:  [PDF](#) (181.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 65, Citation Count: 2

Refactoring in object-orientation has gained increased attention due to its ability to improve design quality. Refactoring using design patterns (DPs) leads to production of high quality software systems. Although numerous tools related to refactoring ...

**Keywords:** declarative programming, design pattern (DP), facts-base, intent-aspects (IAs), object-oriented systems, predicate-templates, prolog, refactoring, rule-base

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